

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:** Please amend the claims as follows:

**We claim:**

**Claim 1. (Withdrawn)** A DNA molecule corresponding to a nucleotide sequence of a cereal pollen major allergen selected from one of the sequences in accordance with SEQ ID NO 1, 3, 5, 7, and 9.

**Claim 2. (Withdrawn)** A DNA molecule which hybridises with a DNA molecule according to claim 1 under stringent conditions and originates from DNA sequences from *Poaceae* species.

**Claim 3. (Withdrawn)** A DNA molecule, encoding a polypeptide, which cross-reacts immunologically with the major allergens Sec c 4, Hor v 4 or Tri a 4 from *Secale cereale*, *Hordeum vulgare* or *Triticum aestivum* and originates from DNA sequences from *Poaceae* species.

**Claim 4. (Withdrawn)** A DNA molecule, corresponding to a partial sequence or a combination of partial sequences according to claim 1, which encodes an immunomodulatory, T-cell-reactive fragment of a group 4 allergen from the *Poaceae*.

**Claim 5. (Withdrawn)** A DNA molecule, corresponding to a nucleotide sequence according to claim 1, encoding an immunomodulatory T-cell-reactive fragment, characterised in that said nucleotide sequence has been specifically modified by specific mutation of individual codons, elimination or addition.

**Claim 6. (Withdrawn)** A DNA molecule according to claim 5, characterised in that the said mutation results in the replacement of one, a plurality of or all cysteines of the corresponding polypeptide with another amino acid.

**Claim 7. (Withdrawn)** A recombinant DNA expression vector or a cloning system comprising a DNA molecule according to claim 1, functionally linked to an expression control sequence.

**Claim 8. (Withdrawn)** A host organism transformed with a DNA molecule according to claim.

**Claim 9. (Withdrawn)** A process for the preparation of a polypeptide encoded by a DNA sequence of a DNA molecule according to claim 1 by cultivation of a host organism transformed with the DNA molecule and isolation of the corresponding polypeptide from the culture.

**Claim 10. (Currently Amended)** A polypeptide ~~which is corresponding to one of the amino acid sequences in accordance with SEQ ID NO 2, 4, 6, 8 and 10, which is~~

- (a) ~~a polypeptide which comprises the sequence set forth in SEQ ID NO: 2, SEQ ID NO: 4, SEQ ID NO: 6, SEQ ID NO: 8, or SEQ ID NO: 10; or~~
- (b) ~~a polypeptide which is encoded by a DNA sequence set forth in SEQ ID NO: 1, SEQ ID NO: 3, SEQ ID NO: 5, SEQ ID NO: 7, or SEQ ID NO: 9 according to claim 1.~~

**Claim 11. (Currently Amended)** ~~A polypeptide corresponding to the mature allergen of the amino acid sequences according to claim 10, A mature polypeptide sequence of cereal pollen major allergen, which is selected from the following group of amino acid sequences~~

- [[[-]]] (a) ~~one of the amino acid sequences in accordance with a polypeptide which comprises a sequence which begins with amino acid residue 23 and ends at the C-terminal amino acid residue of SEQ ID NO: 2, SEQ ID NO: 4 or SEQ ID NO: 6; or SEQ ID NO 2, 4, or 6, beginning with amino acid 23,~~
- [[[-]]] (b) ~~a polypeptide which comprises a sequence which begins with amino acid residue 22 and ends at the C-terminal amino acid residue of SEQ ID NO: 8 or SEQ ID NO: 10 one of the amino acid sequences in accordance with SEQ ID NO 8 or 10, beginning with amino acid 22.~~

**Claim 12. (Currently Amended)** A pharmaceutical composition comprising at least one polypeptide according to claim 11 and ~~a pharmaceutically acceptable carrier optionally further active ingredients and/or adjuvants for the diagnosis and/or treatment of allergies in the triggering of which group 4 allergens from the Poaceae are involved.~~

**Claim 13. (Currently Amended)** ~~Use of at least one polypeptide according to claim 11 for the preparation of a medicament A method for the diagnosis, and/or treatment or prevention of allergies in the triggering of which are triggered by group 4 allergens from the Poaceae comprising administering to a subject in need thereof at least one polypeptide according to claim 11 are involved and/or for the prevention of such allergies.~~

**Claim 14. (Withdrawn)** A DNA molecule according to claim 1 as medicament.

**Claim 15. (Withdrawn)** A recombinant expression vector according to claim 7 as medicament.

**Claim 16. (Withdrawn)** A pharmaceutical composition comprising at least one DNA molecule according to claim 14 or at least one expression vector comprising it and optionally further active ingredients and/or adjuvants for the immunotherapeutic DNA vaccination of patients with allergies in the triggering of which group 4 allergens from the Poaceae are involved and/or for the prevention of such allergies.

**Claim 17. (Withdrawn)** Use of at least one DNA molecule according to claim 14 or at least one expression vector comprising it for the immunotherapeutic DNA vaccination of patients with allergies in the triggering of which group 4 allergens from the Poaceae are involved and/or for the prevention of such allergies.

**Claim 18. (New)** The polypeptide according to claim 11, which is a recombinant polypeptide.

**Claim 19. (New)** The polypeptide according to claim 11, which is an isolated polypeptide.

**Claim 20. (New)** A variant polypeptide, wherein at least one cysteine residue of a polypeptide sequence of SEQ ID NO: 2, SEQ ID NO: 4, SEQ ID NO: 6, SEQ ID NO: 8 or SEQ ID NO: 10 has been replaced with another amino acid by site-specific mutagenesis.